FIG. 1

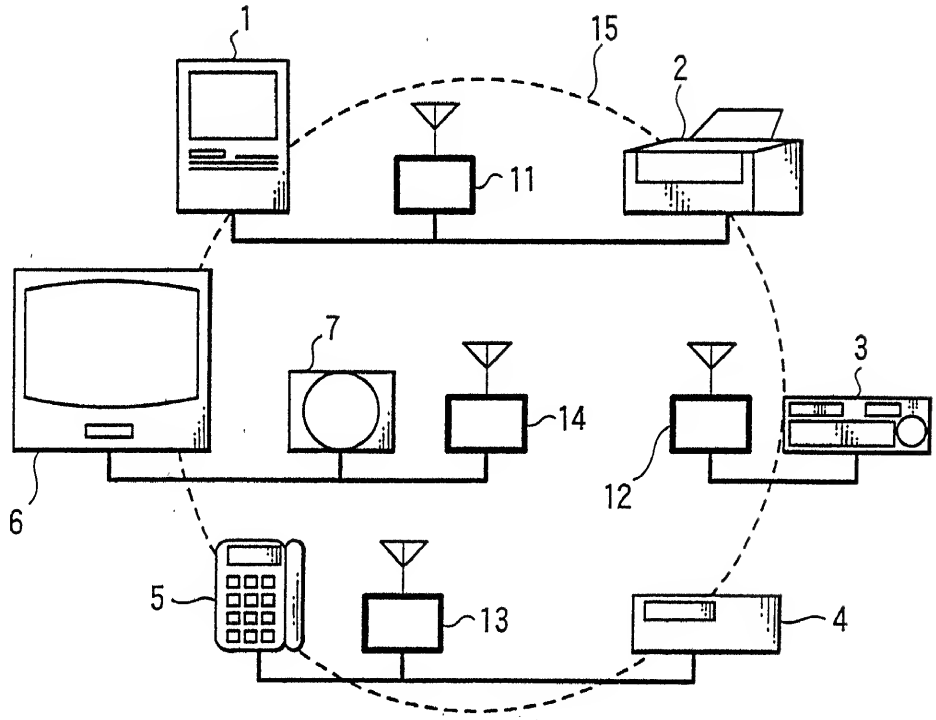


FIG. 2

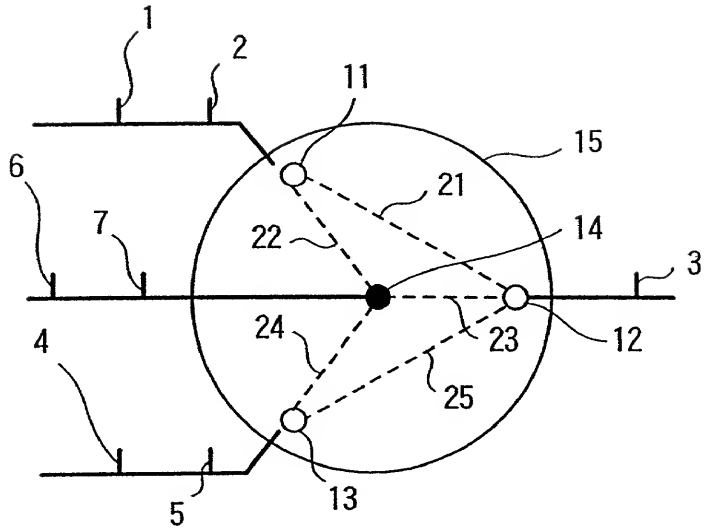


FIG. 3

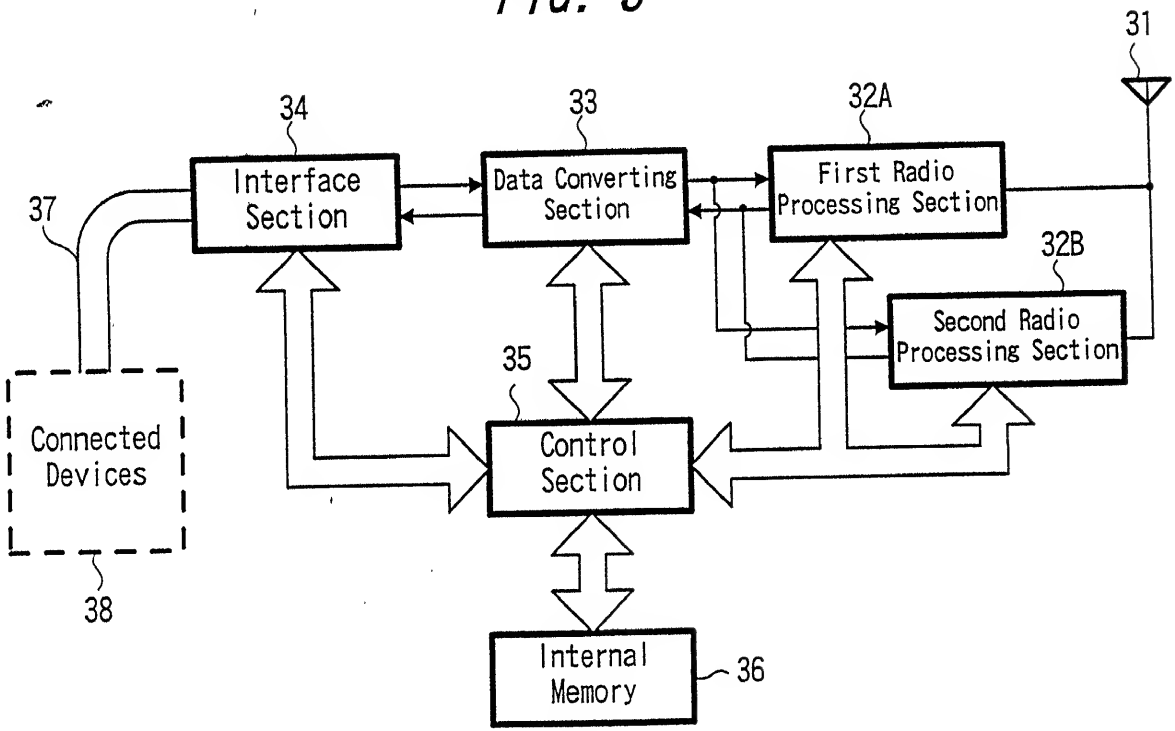

31
34
33
32A
Interface Section
Data Converting Section
First Radio Processing Section
37
32B
Second Radio Processing Section
35
Connected Devices
Control Section
38
Internal Memory
36

FIG. 4A

FIG. 4B

FIG. 4C

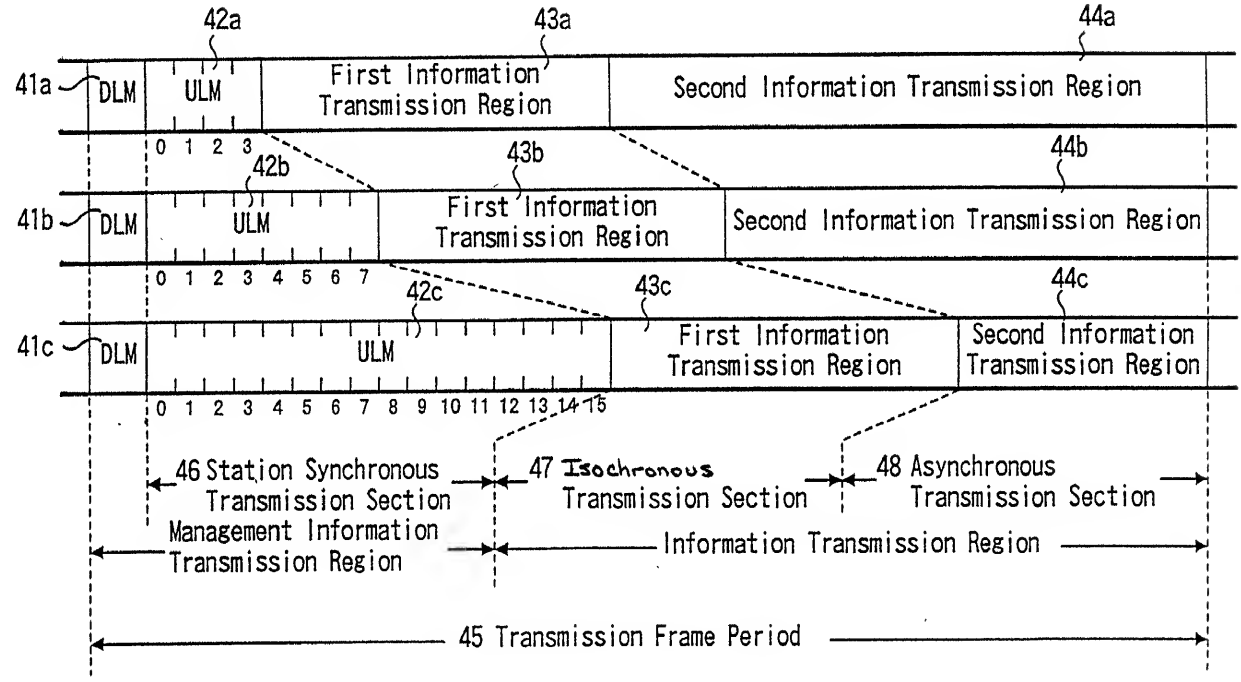


FIG. 5A

FIG. 5B

FIG. 5C

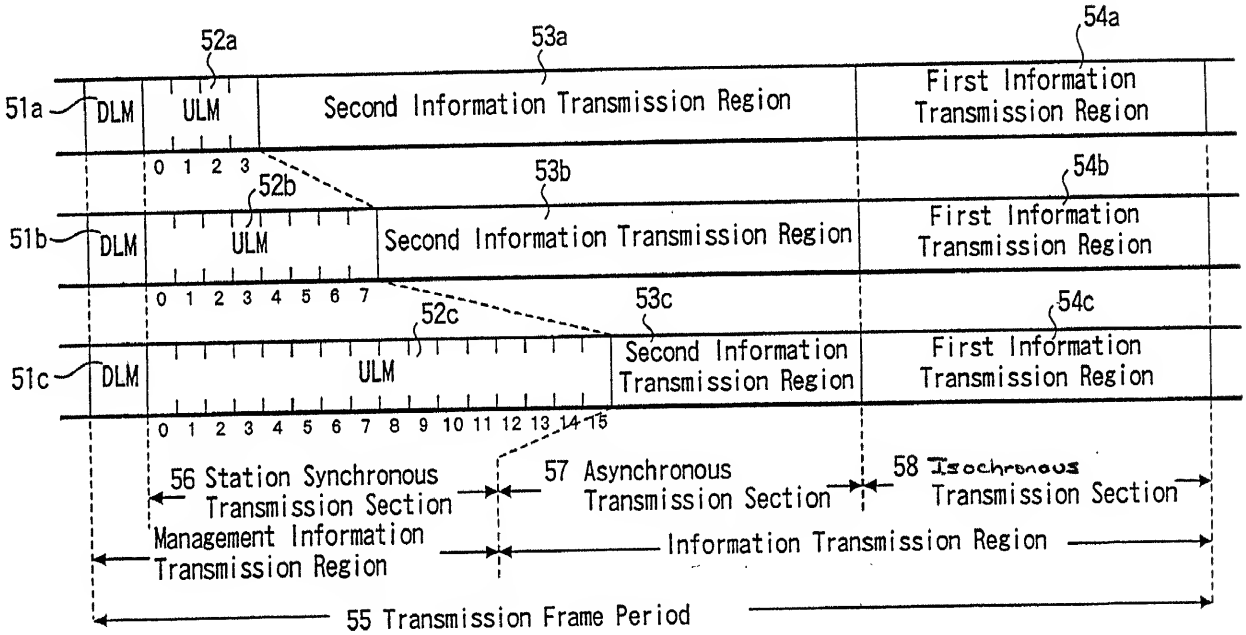


FIG. 6A

FIG. 6B

FIG. 6C

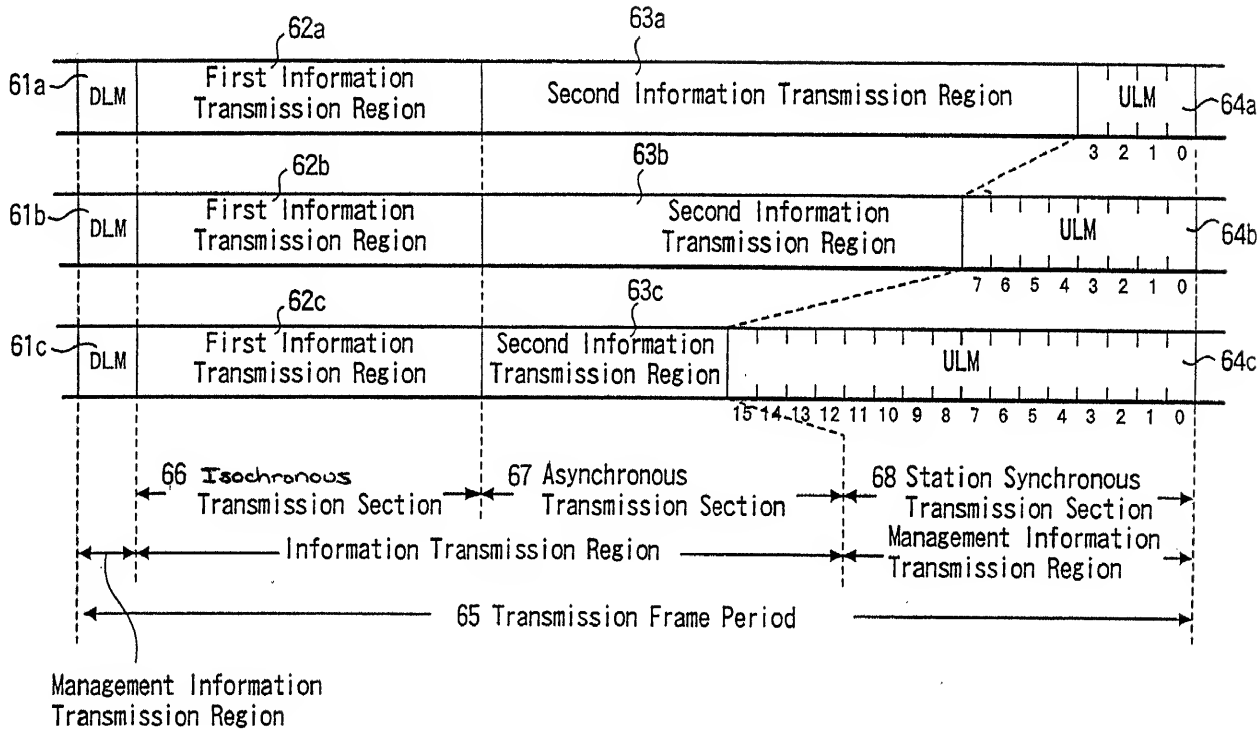


FIG. 7A

FIG. 7B

FIG. 7C

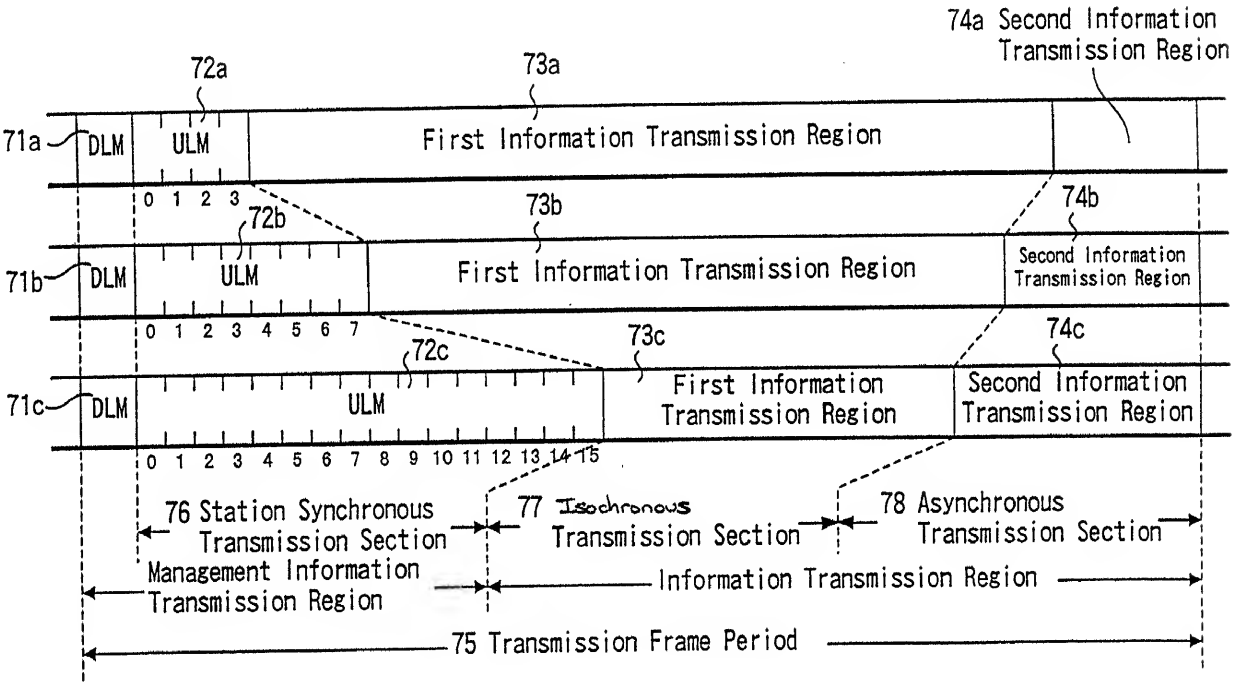


FIG. 8A

FIG. 8B

FIG. 8C

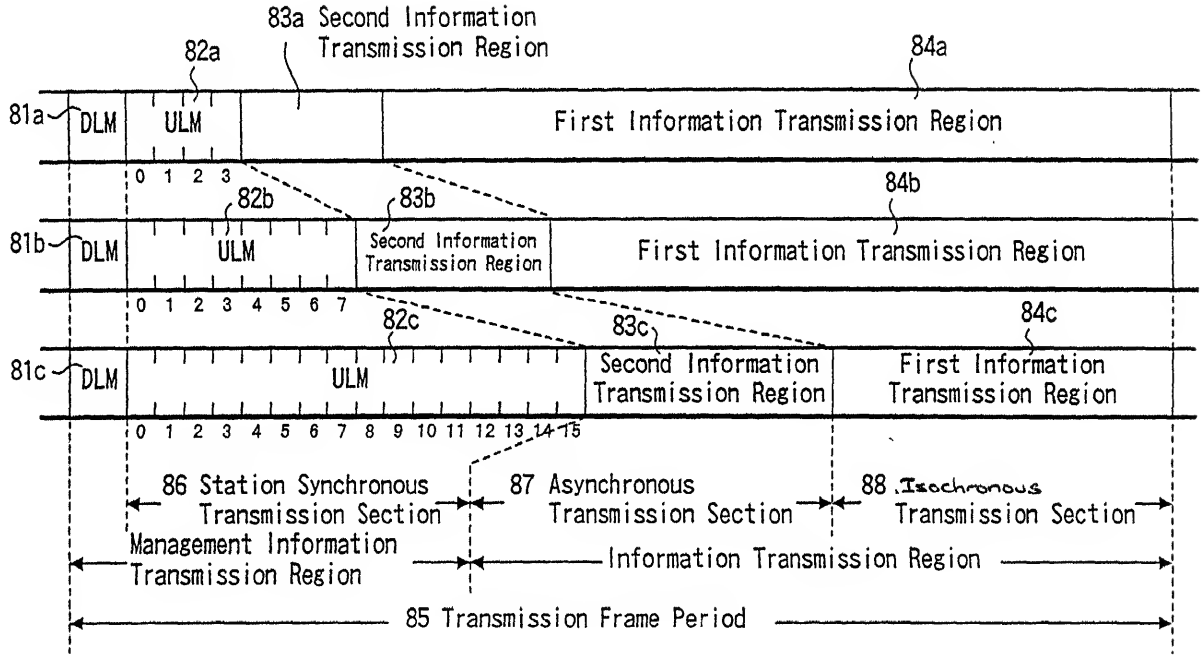


FIG. 9A Only Control Station

FIG. 9B The Number of Terminal Stations:1

FIG. 9C The Number of Terminal Stations:2

FIG. 9D The Number of Terminal Stations:3

FIG. 9E The Number of Terminal Stations:Maximum-1

FIG. 9F The Number of Terminal Stations:Maximum

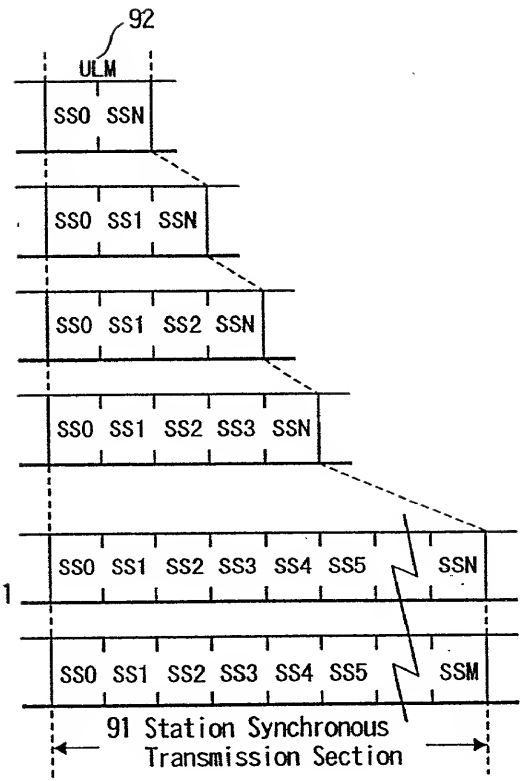


FIG. 10

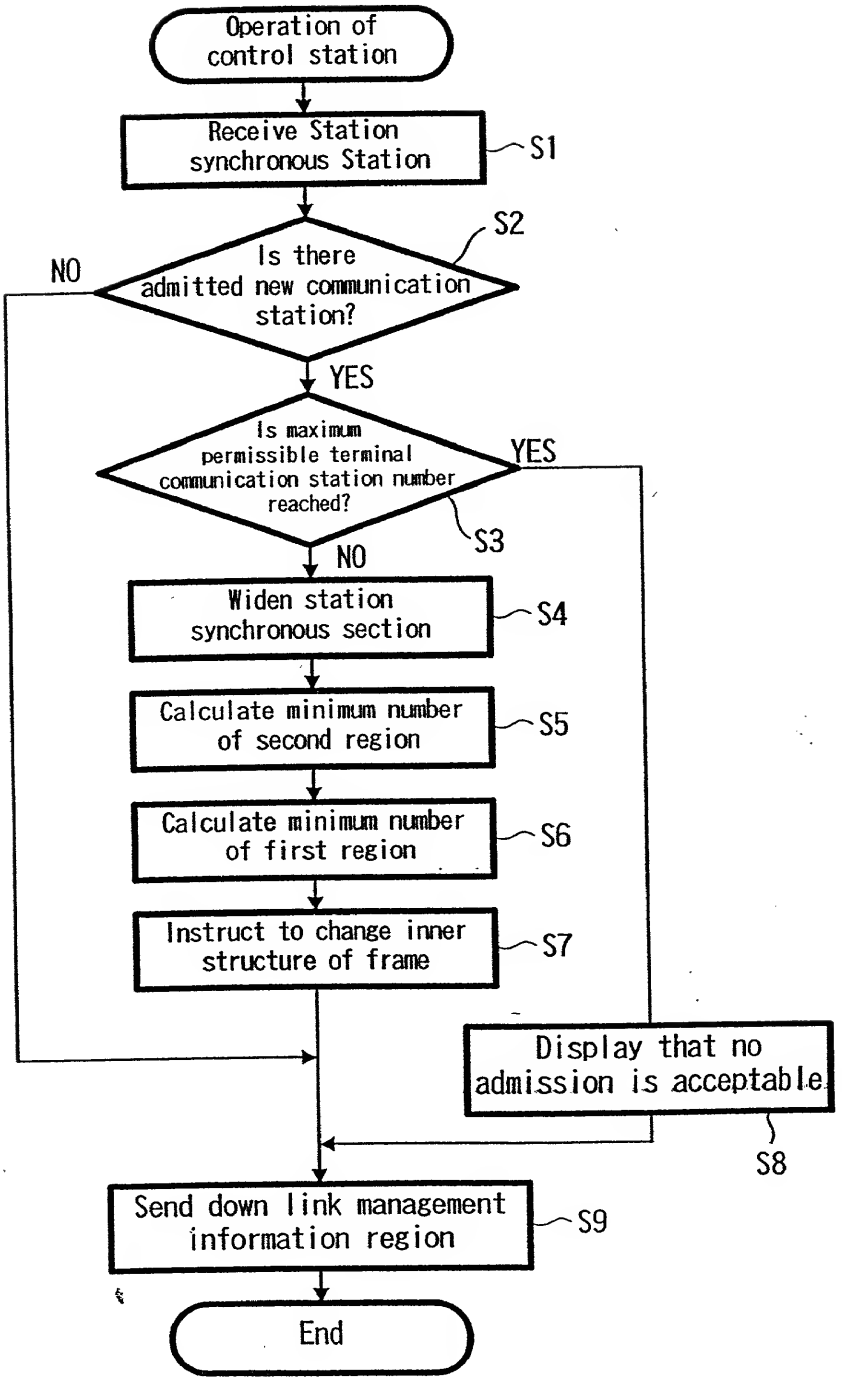

Operation of control station
Receive Station synchronous Station
S1
Is there admitted new communication station?
S2
NO
YES
Is maximum permissible terminal communication station number reached?
YES
S3
NO
Widen station synchronous section
S4
Calculate minimum number of second region
S5
Calculate minimum number of first region
S6
Instruct to change inner structure of frame
S7
Display that no admission is acceptable
S8
Send down link management information region
S9
End

FIG. 11

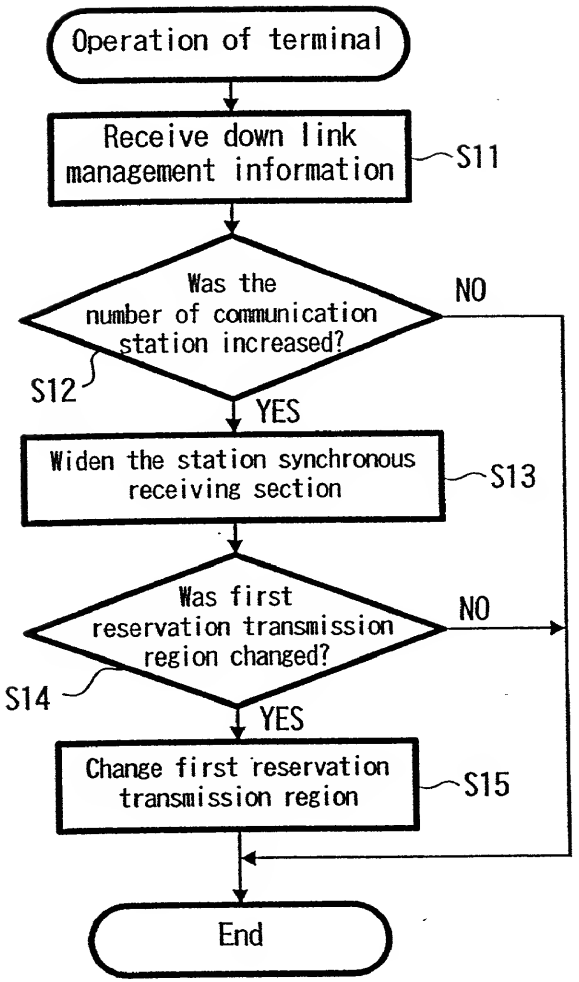

Operation of terminal
Receive down link management information
S11
Was the number of communication station increased?
NO
S12
YES
Widen the station synchronous receiving section
S13
Was first reservation transmission region changed?
NO
S14
YES
Change first reservation transmission region
S15
End

FIG. 12

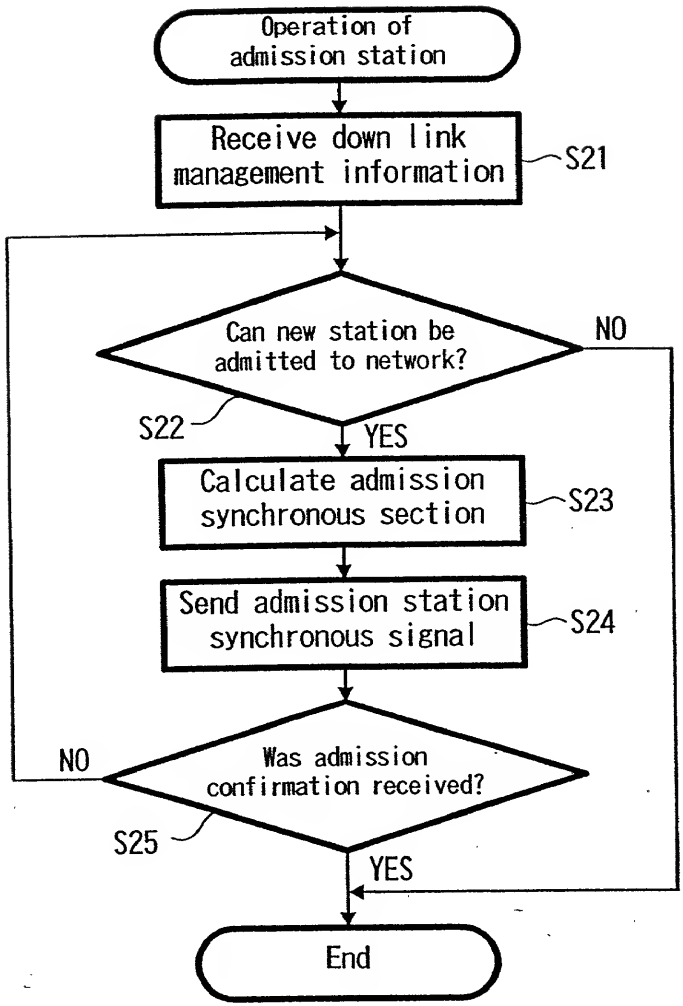
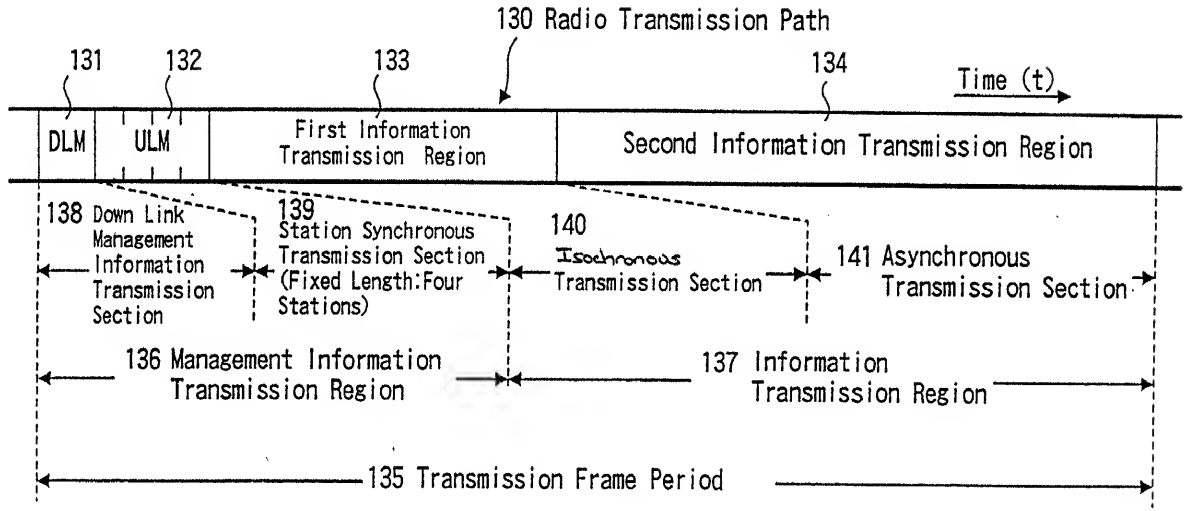

Operation of admission station
Receive down link management information
S21
Can new station be admitted to network?
NO
S22
YES
Calculate admission synchronous section
S23
Send admission station synchronous signal
S24
NO
Was admission confirmation received?
S25
YES
End

FIG. 13


130 Radio Transmission Path
131
132
133
134
Time (t)
DLM
ULM
First Information Transmission Region
Second Information Transmission Region
138 Down Link Management Information Transmission Section
139 Station Synchronous Transmission Section (Fixed Length:Four Stations)
140 Isochronous Transmission Section
141 Asynchronous Transmission Section
136 Management Information Transmission Region
137 Information Transmission Region
135 Transmission Frame Period